

CLAIMS

- 1.. A cutting head for a brush cutter, edge trimmer or similar, of the type comprising a passageway (112) for a cutting string (300) and at least one fillet (120) to support the string extending between a string outlet region of the said passageway and a peripheral region of the head, characterized in that the surface of the fillet presents a recessed profile (120a, 120b) which is substantially complementary to a part of the cross-section of the cutting string (300), in order to guide the cutting string in this recess when the string flexes in a direction opposite to the rotation of the head to rest against the fillet.
- 15 2.. A cutting head according to Claim 1, characterized in that the recess (120a, 120b) formed in the fillet (120) joins the string passageway in a substantially continuous manner.
- 20 3.. A cutting head according to Claim 2, characterized in that the fillet (120) is situated on a widening of the string passageway in the vicinity of a string outlet (115).
- 25 4.. A cutting head according to one of Claims 1 to 3, characterized in that the profile of the surface of the fillet (120) is constant.
- 30 5.. A cutting head according to one of Claims 1 to 4, characterized in that the string passageway (112) is

disposed so as to maintain the cutting string (300) in a given orientation.

6. A cutting head according to one of Claims 1 to 5,  
5 characterized in that the string (300) has a polygonal cross-section, with a ridge situated at the level of its trailing edge.

7. A cutting head according to Claim 6, characterized  
10 in that the recessed profile (120a, 120b) is in the general form of a V.

8. A cutting head according to one of Claims 6 and 7,  
characterized in that the string (300) possesses a  
15 cutting ridge at the level of its leading edge.

9. A cutting head according to one of Claims 1 to 8,  
characterized in that the fillet (120) joins the peripheral region of the head substantially tangentially.

20 10. A cutting head according to one of Claims 1 to 9,  
characterized in that a secondary fillet (122) is provided on the side of the string passageway opposite the fillet (120) with recessed profile, and in that this 25 secondary fillet also presents a recessed profile.

11. A cutting head according to Claim 10, characterized in that the cutting string (300) has a cross-section which is symmetrical in relation to an axial mid-plane,  
30 and in that the recessed profiles of the two fillets are identical.

12. A cutting head according to one of Claims 1 to 11, characterized in that the recess (120a, 120b) of the fillet or of each fillet is formed in the region where the two parts (110a, 110b) assembled to form together the string passageway (112) and the fillet (120) or the fillets (120, 122) meet.
13. A vegetation cutting device such as a brush cutter, edge trimmer or similar, characterized in that it comprises a cutting head (100) according to one of claims 1 to 12 and a motor suitable for driving said head in rotation.